

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2005/000105

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N33/574

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/17470 A (HOLLAND, JAMES, F) 15 May 1997 (1997-05-15) the whole document -----	1-17
Y	LIU BINGREN ET AL: "Identification of a proviral structure in human breast cancer" CANCER RESEARCH, vol. 61, no. 4, 15 February 2001 (2001-02-15), pages 1754-1759, XP002324850 ISSN: 0008-5472 the whole document ----- -/-	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

15 April 2005

Date of mailing of the International search report

29/04/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2005/000105

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>HOCH-MARCHAIM H ET AL: "The leader peptide of MMTV Env precursor localizes to the nucleoli in MMTV-derived T cell lymphomas and interacts with nucleolar protein B23"  <i>VIROLOGY</i>, ACADEMIC PRESS, ORLANDO, US,  vol. 313, no. 1,  15 August 2003 (2003-08-15), pages 22-32,  XP004452387  ISSN: 0042-6822  the whole document</p> <p>-----</p>	1-17
A	<p>ETKIND P ET AL: "Mouse mammary tumor virus-like ENV gene sequences in human breast tumors and in a lymphoma of a breast cancer patient."  <i>CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH</i>. APR 2000,  vol. 6, no. 4, April 2000 (2000-04), pages 1273-1278, XP002324851  ISSN: 1078-0432  the whole document</p> <p>-----</p>	1-39
A	<p>WO 01/00829 A (TULANE UNIVERSITY MEDICAL CENTER; GARRY, ROBERT, F)  4 January 2001 (2001-01-04)  the whole document</p> <p>-----</p>	
A	<p>HOCH-MARCHAIM H ET AL: "Nucleolar Localization of Mouse Mammary Tumor Virus Proteins in T-Cell Lymphomas"  <i>VIROLOGY</i>, ACADEMIC PRESS, ORLANDO, US,  vol. 242, no. 2,  15 March 1998 (1998-03-15), pages 246-254,  XP004445934  ISSN: 0042-6822  the whole document</p> <p>-----</p>	
A	<p>STEIN S ET AL: "A disulfide conjugate between anti-tetanus antibodies and HIV (37-72)Tat neutralizes tetanus toxin inside chromaffin cells"  <i>FEBS LETTERS</i>, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL,  vol. 458, no. 3,  24 September 1999 (1999-09-24), pages 383-386, XP004260296  ISSN: 0014-5793  the whole document</p> <p>-----</p>	25, 31, 37

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL2005/000105

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 1–9, 22–27  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 1-9 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Although claims 22-27 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

# INTERNATIONAL SEARCH REPORT

Information on patent family members				International Application No PCT/IL2005/000105
Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9717470	A 15-05-1997	US	5686247 A	11-11-1997
		AU	717291 B2	23-03-2000
		AU	1271497 A	29-05-1997
		CA	2236837 A1	15-05-1997
		EP	0866878 A1	30-09-1998
		JP	2000500650 T	25-01-2000
		WO	9717470 A1	15-05-1997
		US	6040146 A	21-03-2000
WO 0100829	A 04-01-2001	AU	778027 B2	11-11-2004
		AU	6066700 A	31-01-2001
		CA	2369848 A1	04-01-2001
		EP	1190055 A2	27-03-2002
		JP	2003507050 T	25-02-2003
		MX	PA01013388 A	02-07-2002
		NO	20016296 A	25-02-2002
		WO	0100829 A2	04-01-2001
		US	6670466 B1	30-12-2003